CLAIMS

1. Automatic cycle pedal comprising a pedal body (1) having engagement members (2, 3) with a hooking element fixed below a cyclist's shoe and a cylindrical cartridge (5) containing a pedal axle (6) adapted to be fixed to a drive crank, said cartridge (5) being received in a cylindrical transverse recess (7) of the pedal, this cylindrical recess being provided with tapping (9) coacting with screw threading on the cartridge (5) to permit the continuous adjustment of the transverse position of this latter, and holding means (10 to 15) for the cartridge (5) in a selected transverse position, wherein said holding means (10 to 15) comprise an element for blocking in rotation (10) of the cartridge (5) axially displaceable in said recess (7) and adapted to be connected to said cartridge (5) by first positive locking means (11) provided on an end of this latter and second positive locking means (13) provided on said blocking element (10), and gripping means (15, 17, 18) adapted to grip the element for blocking in rotation against said cartridge (5) to place said first and second positive locking means (11, 13) in engagement with each other.

2. Pedal according to claim 1, wherein said element for blocking in rotation (10) of the cartridge (5) comprises a member (20) for blocking in rotation relative to said recess (7).

3. Pedal according to claim 2, wherein said member (20) for blocking in rotation comprises at least one radial lug provided on the periphery of the element (10) for

blocking in rotation and extending in an axial groove (21) provided on the internal wall of said recess (7).

4. Pedal according to claim 2, wherein said element for blocking in rotation is constituted by the non-circular shape of the periphery of said element (10) for blocking in rotation which is complementary to the non-circular shape of an end zone of said recess (7).

5. Pedal according to claim 1, wherein said gripping means comprise a screwing element (15) comprising a first screw thread (16) adapted to coact with a second screw thread (17) within the recess (7) to grip said element (10) for blocking in rotation against said cartridge (5).

6. Pedal according to claim 5, wherein said first screw thread (16) is constituted by the tapping of a nut (15) forming said screwing element, and that said second screw thread (17) is constituted by an external thread on a central rod (18) at the end of the cartridge (5) extending through a central hole (19) of said element (10) for blocking in rotation.

7. Pedal according to claim 5, wherein said first screw thread is constituted by an external thread on a cylindrical screwing element, and that the second thread is constituted by a tapping in an end zone of said recess (7).

8. Pedal according to claim 1, wherein said first and second positive locking means (11, 13) have complementary conical surfaces (12, 14), and that said element (10) for blocking in rotation is formed by a resilient split ring,

such that the periphery of said ring will be urged toward the internal wall of said recess (7) when said element (10) for blocking in rotation is gripped against said cartridge (5).

9. Pedal according to claim 1, wherein said first and second positive locking means (11, 13) comprise complementary ribs (13) and grooves (11).

10. Pedal according to claim 9, wherein said ribs (13) and grooves (11) have a rounded cross-section.

11. Pedal according to claim 6, wherein the screwing element (15) as well as the element (10) for blocking in rotation comprise respective notches (15', 10') provided on their facing surfaces so as to prevent the spontaneous unscrewing of the screwing element during use of the pedal.

12. Pedal according to claim 7, wherein the screwing element (15) as well as the element (10) for blocking in rotation comprise respective notches (15', 10') provided on their facing surfaces so as to prevent the spontaneous unscrewing of the screwing element during use of the pedal.

13. Pedal according to claim 8, wherein the screwing element (15) as well as the element (10) for blocking in rotation comprise respective notches (15', 10') provided on their facing surfaces so as to prevent the spontaneous unscrewing of the screwing element during use of the pedal.

14. Pedal according to claim 9, wherein the screwing element (15) as well as the element (10) for blocking in

rotation comprise respective notches (15', 10') provided on their facing surfaces so as to prevent the spontaneous unscrewing of the screwing element during use of the pedal.

15. Pedal according to claim 10, wherein the screwing element (15) as well as the element (10) for blocking in rotation comprise respective notches (15', 10') provided on their facing surfaces so as to prevent the spontaneous unscrewing of the screwing element during use of the pedal.